

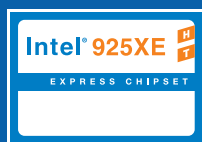


**Are You Looking for
Incredible Performance
on a Desktop PC?**





The new Intel® 925XE Express Chipset combined with the powerful new Intel® Pentium® 4 Processor Extreme Edition supporting Hyper-Threading (HT) Technology¹ delivers outstanding levels of desktop PC performance—for gamers and power users looking to enhance their entertainment experience, digital content creation and digital media editing.



Experience a new level of desktop PC performance and capabilities with the Intel® 925XE Express Chipset.

The Intel® 925XE Express Chipset combined with the Intel® Pentium® 4 Processor Extreme Edition supporting Hyper-Threading Technology¹ delivers high-performance and the latest features on a desktop PC, making it ideal for gamers, power users and enthusiasts.



We live in an increasingly digital world. If you are a PC gamer or “power user,” you’re probably looking for the latest and high-performance PC platform to enhance your digital entertainment experience. New technologies are enabling seamless integration of media creations, editing, gaming, and computing. Whether you are competing in an immersive, multiplayer game online, or creating digital media content and sharing it wirelessly², the performance and features supported by your PC directly affect the quality of your experience.

The Need for Performance

Today’s high-resolution digital graphics and high-quality digital audio demand more computing power from your PC for professional-quality editing, recording, storing, and sharing. Keeping pace with these more demanding usage models requires increased speed: faster CPU for computation, faster system memory for temporary storage, and faster system buses to move the data around. You’ll also need faster and safer file storage for saving your digital content. In addition, the emergence of new, connected consumer electronics (CE) devices that work with your PC means you can share digital files and PC resources with enabled devices at home or in the office. This is why Intel developed a revolutionary new platform with the Intel® 925XE Express Chipset.

Performance and Features for the Most Advanced Users

- **Designed for the new Intel® Pentium® 4 Processor with HT Technology Extreme Edition.** The Intel 925XE Express Chipset is optimized for the new Intel Pentium 4 Processor with HT Technology Extreme Edition. Together, they deliver amazing new levels of desktop PC features and performance for your most demanding needs.
- **Fast memory and graphics performance.** The Intel 925XE Express Chipset delivers incredibly fast access to system memory for graphics, CPU, and other components and applications designed for high end desktop PC’s. This improves overall system performance and responsiveness, and gives applications such as games, high-definition video editing and playback, and other memory-intensive applications the extra boost they need for optimal performance.
- **High-performance PCI Express* bus.** This new PC bus architecture vastly improves system bandwidth to deliver top-notch performance and flexibility for the next generation of graphics, video, LAN networks, and other high-speed PCI Express* devices.
- **Dual-Channel 533-MHz DDR2 Memory.** The Intel 925XE Express Chipset supports the next-generation PC memory architecture called DDR2. With its dual-channel capability, the 925XE Express Chipset delivers up to



8.5 GB/s of memory bandwidth, greatly improving overall system performance for activities such as advanced gaming, high-resolution video playback, and more. For the most demanding users, the Intel 925XE Express chipset also supports an optimized version of DDR2 533MHz memory (CL3) to further boost the system performance.

Fast and Secure File Storage

- **Intel® Matrix Storage Technology.** The Intel 925XE Express Chipset supports the new Intel® Matrix Storage Technology. This software based technology boosts the performance of data storage and retrieval, while also enabling greater data protection. For applications such as photo or video editing, where large amounts of data are stored on the system hard drive, the integrated Intel RAID controller, a part of Intel Matrix Storage Technology, delivers the performance of RAID 0 or RAID 1 at a fraction of the usual cost and configuration effort for these capabilities. For advanced users with transportable data via hard drive, the new Intel Matrix Storage Technology offers hard drive hot-plug capability. This feature will also configure the newly added hard drive to a user predefined RAID 0 and/or RAID 1 configuration without having to reboot the computer.³ Whether you transition critical business data or your most cherished photos or movies to a digital media format, the integrated Intel Matrix Storage Technology is a must-have.



• Next-generation Serial ATA* Storage Interface

The Intel 925XE Express Chipset offers an improved Serial ATA* or SATA interface architecture called SATA AHCI. With out-of-order queuing and execution capability, the new interface vastly improves the performance of application reads and writes to and from the system hard drive, especially in multitasking environments, for faster system and application responsiveness.

Lifelike Graphics and High Resolution Video

- **PCI Express* Graphics.** The Intel 925XE Express Chipset is designed for advanced graphics requirements, and supports the industry's newest graphics cards based on the PCI Express* x16 graphics port. This allows you to play the most sophisticated desktop PC games and/or watch high-resolution HD video on your PC monitor or HDTV, or (with additional equipment) wirelessly access and watch your stored media files on your TV. Intel 925XE Express Chipset-based systems with new PCI Express x16 graphics offers significant improvement over existing discrete graphics solutions, for advanced gaming and high-resolution video playback. The Intel 925XE Express Chipset with the Intel Pentium 4 Processor with HT Technology Extreme Edition is the platform of choice for discriminating power users, hard-core gamers, and budding movie producers alike.

Enhanced Digital Audio Playback

- **Intel® High-Definition Audio.** As part of the Intel 925XE Express Chipsets, Intel brings you enhanced, multi-channel digital audio, so that your PC can provide the same exciting level and quality of digital sound as the home theater receiver in your living room. Intel High-Definition (HD) Audio delivers superb quality, with 192-KHz, 24-bit, 8-channel audio and support for all new audio formats, including Dolby* Digital 5.1/6.1/7.1 which allows for THX* certification. Another supported format is DTS* ES/Discrete 6.1. With a scalable architecture, it's possible to easily upgrade Intel HD Audio to support future audio formats, for added investment protection.
- **Multi-streaming support.** Intel HD Audio also supports multiple audio streams, which allows you to enjoy several audio activities at once—for example, listening to the multi-channel digital sound from your computer, while simultaneously chatting with your opponents on your headset during an online gaming session.



Intel® 925XE Express Chipset Features At a Glance

System Bus	Supports 1066 MHz for incredible system performance for demanding gamers, media users and multi-media creator
PCI Express*	Delivers up to a 4x increase in graphics and up to 2x I/O bandwidth for smooth multimedia performance.
Intel® High-Definition Audio	Enable premium home theater experience through the PC, with support for major audio formats.
Intel® Matrix Storage Technology	Boost your storage performance while helping to protect your valuable digital memories.
Dual-Channel DDR2 533 MHz Memory	Dual channel DDR2 533 memory delivers up to 8.5 GB/s for more responsive system performance.

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¹ Look for systems with the Intel® Pentium® 4 Processor with HT Technology logo and also including an Intel® 925, 915, or 910 Express Chipset (see the product spec sheet or ask your salesperson). Performance and functionality will vary depending on (i) the specific hardware and software you use and (ii) the feature enabling/system configuration by your system vendor. See www.intel.com/products/ht/hyperthreading_more.htm for information on HT Technology or consult your system vendor for more information.

² Sharing audio, video, and/or digital photos via wireless connection requires a third-party wireless Digital Media Adapter and software installed on the host PC. See http://www.intel.com/personal/do_more/digital_home/ for more information.

³ System must be configured as “RAID Ready” to take advantage of Intel® Matrix Storage Technology, which includes enabling the RAID controller in the BIOS and installing the Intel® Application Accelerator software driver.

The Intel® Pentium® 4 processor and Intel® 925XE Express Chipset may contain design defects or errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request. Intel Corporation assumes no responsibility for the use of any circuitry other than circuitry embodied in an Intel® product. Information contained herein supersedes previously published specifications on these devices from Intel.

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